

What is claimed is:

1. An air bleed control device of an internal combustion engine having at least one carburetor that has at least one air/fuel circuit with an air bleed input, said control device comprising:
  - 5           an air distribution block having an air input port, at least one air output port, and a valve disposed between said input port and said at least one air output port; and
    - at least one air tube having one end mounted on said at least one air output port and having the other end mounted on said carburetor air bleed input,
      - 10           whereby said valve can be adjusted to control the air flow into said air bleed input of said at least one carburetor.
  2. The device of claim 1 further comprising an air tube mounted on said air input port and having its other end positioned in a selected location.
    - 15           3. The device of claim 1 wherein said valve is controlled remotely.
    4. The device of claim 1 wherein said engine is mounted on a motorcycle.
    5. The device of claim 1 wherein said at least one carburetor has at least two functionally separate fuel/air circuits having air bleed inputs and said air distribution block has at least two air output ports, each output port having a valve disposed between it and said at least one air input port, said device further having air tubes mounted between said output ports and said air bleed inputs, whereby said valves can be adjusted to independently control the air flow into said separate air bleed inputs.
      - 25           6. The device of claim 5 further comprising an air tube mounted on said air input port and having its other end positioned in a selected location.
      7. The device of claim 5 wherein said valve is controlled remotely.
      8. The device of claim 5 wherein said engine is mounted on a motorcycle.

9. An air bleed control device of an internal combustion engine having at least two carburetors that have at least one air/fuel circuit with an air bleed input, said control device comprising:

an air distribution block having an air input port, at least one air output port, and a  
5 valve disposed between said input port and said at least one air output port;  
an air output balance chamber disposed between said valve and said output ports; and  
at least two air tubes having one end mounted on said at least air output ports and  
having the other end mounted on said carburetor air bleed inputs,  
whereby said valve can be adjusted to simultaneously control the air flow into said air  
10 bleed inputs of said carburetors.

10. The device of claim 9 further comprising an air tube mounted on said air input port and having its other end positioned in a selected location.

15 11. The device of claim 9 wherein said valve is controlled remotely.

12. The device of claim 9 wherein said engine is mounted on a motorcycle.

13. The device of claim 9 wherein:

20 said engine has at least two carburetors, each carburetor having at least two functionally separate fuel/air circuits having air bleed inputs;

said air distribution block has a first set of at least two air output ports, said  
first set having a first valve disposed between them and said at least one air input port and an  
air output balance chamber disposed between said first valve and said first set of output ports;  
25 and

said air distribution block further has a second set of at least two air output ports, said  
second set having a first valve disposed between them and said at least one air input port; and  
an air output balance chamber disposed between said second valve and said second set of  
output ports,

30 whereby said first and second valves can be adjusted to independently control the air  
flow into said functionally separate air bleed inputs.

14. The device of claim 13 further comprising an air tube mounted on said air input port and having its other end positioned in a selected location.

15. The device of claim 13 wherein said valve is controlled remotely.

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16. The device of claim 13 wherein said engine is mounted on a motorcycle.

17. A carbureted internal combustion engine add-on kit for controlling the air into selected carburetor air bleed inputs comprising:

10           an air distribution block having an air input port, at least one air output port for every selected engine carburetor air bleed input, a valve disposed between said input port and said output ports, and an air output balance chamber; and

              sufficient air tubing to mount between said air output ports and said selected air bleed inputs.

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18. The kit of claim 17 further comprising sufficient air tubing to mount between said distribution block air input and a selected location.

19. The kit of claim 17 further comprising air jet extractor tools.

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20. The kit of claim 17 further comprising mounting hardware.

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